

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	96	("4949293" "6285760" "6307935" "6259790" "5615268" "5748738" "6237096" "6301660" "6185304" "6185679" "6697488" "6396929" "6823068" "6088798" "6376445" "6440911" "5987133" "5796830" "6052469" "6499106" "6185316" "5815573" "5241599" "6038551" "6108419" "6345098" "5631961" "5220606" "5511123" "5627893" "5745578" "6779111" "5365589" "6038318" "6047242" "5271061" "5463690" "5581616" "5805703" "6049610" "6459792" "6131162" "6269163" "5623548" "6816968" "5640455" "6209093" "5850450" "6163841" "6243467").pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:13
S2	87	S1 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:07
S3	4141	380/1,247,255,268,277-279, 281-285,46,28-30.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:08
S4	2434	S3 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
S5	1927	S4 and (encryp\$4 or encypher\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:09
S6	1074	S5 and ((asymmetric or public) with key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:10

S7	394	S6 and (mod or modulus)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S8	24	S6 and abelian	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:11
S9	13	S7 and (jacobi\$2)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:54
S10	4	"4405829".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 12:52
S11	0	S7 and "data coherence"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 14:14
S12	2	"5956404".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/14 14:14
S13	1939	checksum and (verify with data)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 12:46
S14	812	S13 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 12:46

S15	239	S14 and (encrypt\$4 or encypher\$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S16	1939	checksum and (verify with data)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S17	812	S16 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S18	239	S17 and (encrypt\$4 or encypher\$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S19	0	S18 and ("redundant text")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:07
S20	41	"redundant text"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S21	3	S20 and (encrypt\$4 or encypher\$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:13
S22	0	S21 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14

S23	6001	"redundant text" or "redundant data"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S24	636	S23 and (encrypt\$4 or encypher\$4 or cryptography)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:14
S25	134	S24 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 13:15
S26	4146	380/1,247,255,268,277-279, 281-285,46,28-30.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S27	2434	S26 and @ad<"19990129"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S28	1927	S27 and (encryp\$4 or encypher\$4)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S29	1074	S28 and ((asymmetric or public) with key)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37
S30	394	S29 and (mod or modulus)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:37

S31	265	S30 and ("random number")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:38
S32	88	S31 and ("xor" or "exor" or "exclusive or")	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:47
S33	0	S32 and "data coherence"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:48
S34	49	S32 and (public with random)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/03/15 14:48

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Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09890286 on March 10, 2005

Original Classifications

10 380/30  
6 380/28  
6 713/176  
5 380/286  
2 380/37  
2 380/43  
2 713/171

Cross-Reference Classifications

14 380/30  
10 380/28  
5 713/170  
5 713/176  
4 380/259  
3 380/277  
3 380/283  
3 380/29  
3 380/44  
3 713/180  
3 713/181  
2 380/1  
2 380/278  
2 380/37  
2 510/226  
2 510/305  
2 510/321  
2 510/392  
2 510/530  
2 713/167  
2 713/171  
2 713/172  
2 713/193

Combined Classifications

24 380/30  
16 380/28  
11 713/176  
6 713/170  
5 380/286  
4 380/259  
4 380/29  
4 380/37  
4 380/44  
4 713/171  
3 380/277  
3 380/283  
3 380/43  
3 713/180  
3 713/181  
3 713/193  
2 380/1  
2 380/278  
2 380/42  
2 380/46  
2 510/226  
2 510/305  
2 510/320  
2 510/321

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2 510/392  
2 510/530  
2 708/491  
2 713/167  
2 713/168  
2 713/172  
2 713/178

Titles of Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09890286 on March 10, 2005

24	380/30	(10 OR, 14 XR)
	Class 380 :	CRYPTOGRAPHY
	380/28	PARTICULAR ALGORITHMIC FUNCTION ENCODING
	380/30	.Public key
16	380/28	(6 OR, 10 XR)
	Class 380 :	CRYPTOGRAPHY
	380/28	PARTICULAR ALGORITHMIC FUNCTION ENCODING
11	713/176	(6 OR, 5 XR)
	Class 713 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING
		CRYPTOGRAPHY
	713/168	.Particular communication authentication
		technique
	713/176	..Authentication by digital signature
		representation or digital watermark
6	713/170	(1 OR, 5 XR)
	Class 713 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING
		CRYPTOGRAPHY
	713/168	.Particular communication authentication
		technique
	713/170	..Authentication of an entity and a message
5	380/286	(5 OR, 0 XR)
	Class 380 :	CRYPTOGRAPHY
	380/277	KEY MANAGEMENT
	380/286	.Key escrow or recovery
4	380/259	(0 OR, 4 XR)
	Class 380 :	CRYPTOGRAPHY
	380/255	COMMUNICATION SYSTEM USING CRYPTOGRAPHY
	380/259	.Symmetric key cryptography
4	380/29	(1 OR, 3 XR)
	Class 380 :	CRYPTOGRAPHY
	380/28	PARTICULAR ALGORITHMIC FUNCTION ENCODING
	380/29	.NBS/DES algorithm
4	380/37	(2 OR, 2 XR)
	Class 380 :	CRYPTOGRAPHY
	380/255	COMMUNICATION SYSTEM USING CRYPTOGRAPHY
	380/36	.Time segment interchange
	380/37	..Block/data stream enciphering
4	380/44	(1 OR, 3 XR)
	Class 380 :	CRYPTOGRAPHY
	380/277	KEY MANAGEMENT
	380/44	.Having particular key generator
4	713/171	(2 OR, 2 XR)
	Class 713 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING
		SYSTEMS: SUPPORT
	713/150	MULTIPLE COMPUTER COMMUNICATION USING
		CRYPTOGRAPHY



- 713/168 .Particular communication authentication technique  
713/171 ..Having key exchange
- 3 380/277 (0 OR, 3 XR)  
Class 380 : CRYPTOGRAPHY  
380/277 KEY MANAGEMENT
- 3 380/283 (0 OR, 3 XR)  
Class 380 : CRYPTOGRAPHY  
380/277 KEY MANAGEMENT  
380/278 .Key distribution  
380/283 ..User-to-user key distributed over data link  
(i.e., no center)
- 3 380/43 (2 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/42 .Data stream/substitution enciphering  
380/43 ..Key sequence signal combined with data signal
- 3 713/180 (0 OR, 3 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY  
713/168 .Particular communication authentication  
technique  
713/180 ..Generating specific digital signature type  
(e.g., blind, shared, or undeniable)
- 3 713/181 (0 OR, 3 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY  
713/168 .Particular communication authentication  
technique  
713/181 ..Message digest travels with message
- 3 713/193 (1 OR, 2 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT  
713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY  
713/193 .By stored data protection
- 2 380/1 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/1 CRYPTANALYSIS
- 2 380/278 (0 OR, 2 XR)  
Class 380 : CRYPTOGRAPHY  
380/277 KEY MANAGEMENT  
380/278 .Key distribution
- 2 380/42 (1 OR, 1 XR)  
Class 380 : CRYPTOGRAPHY  
380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
380/42 .Data stream/substitution enciphering
- 2 380/46 (1 OR, 1 XR)

Class 380 : CRYPTOGRAPHY  
 380/277 KEY MANAGEMENT  
 380/44 .Having particular key generator  
 380/46 ..Nonlinear (e.g., pseudorandom)

- 2 510/226 (0 OR, 2 XR)  
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
 AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
 PREPARING THE COMPOSITIONS  
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING  
 (E.G., SODIUM BISULFATE COMPONENT, ETC.)  
 510/109 .For cleaning a specific substrate or removing  
 a specific contaminant (e.g., for smoker's pipe, etc.)  
 510/218 ..For equipment used in processing, handling,  
 storing, or serving edible product (e.g., dairy or  
 brewery equipment, household utensils, etc.)  
 510/220 ...For use in automatic dishwasher  
 510/226 ....Enzyme component of specific activity or  
 source (e.g., protease, ethanol oxidase, of bacterial  
 origin, etc.)
- 2 510/305 (0 OR, 2 XR)  
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
 AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
 PREPARING THE COMPOSITIONS  
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING  
 (E.G., SODIUM BISULFATE COMPONENT, ETC.)  
 510/109 .For cleaning a specific substrate or removing  
 a specific contaminant (e.g., for smoker's pipe, etc.)  
 510/276 ..For textile material (e.g., laundry  
 detergent, etc.)  
 510/302 ...With oxygen or halogen containing chemical  
 bleach or oxidant component  
 510/305 ....Enzyme component of specific activity or  
 source (e.g., lipase, of bacterial origin, etc.)
- 2 510/320 (1 OR, 1 XR)  
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
 AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
 PREPARING THE COMPOSITIONS  
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING  
 (E.G., SODIUM BISULFATE COMPONENT, ETC.)  
 510/109 .For cleaning a specific substrate or removing  
 a specific contaminant (e.g., for smoker's pipe, etc.)  
 510/276 ..For textile material (e.g., laundry  
 detergent, etc.)  
 510/320 ...Enzyme component of specific activity or  
 source (e.g., protease, of bacterial origin, etc.)
- 2 510/321 (0 OR, 2 XR)  
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
 AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
 PREPARING THE COMPOSITIONS  
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING  
 (E.G., SODIUM BISULFATE COMPONENT, ETC.)  
 510/109 .For cleaning a specific substrate or removing  
 a specific contaminant (e.g., for smoker's pipe, etc.)  
 510/276 ..For textile material (e.g., laundry  
 detergent, etc.)

- 510/320 ...Enzyme component of specific activity or  
source (e.g., protease, of bacterial origin, etc.)
- 510/321 ....Liquid composition (e.g., slurry, etc.)
- 2 510/392 (0 OR, 2 XR)  
Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
PREPARING THE COMPOSITIONS
- 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING  
(E.G., SODIUM BISULFATE COMPONENT, ETC.)
- 510/392 .Enzyme component of specific activity or  
source (e.g., protease, of bacterial origin, etc.)
- 2 510/530 (0 OR, 2 XR)  
Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,  
AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF  
PREPARING THE COMPOSITIONS
- 510/513 AUXILIARY COMPOSITIONS FOR CLEANING, OR  
PROCESSES OF PREPARING (E.G., LAUNDERING AIDS, SUCH AS  
WRINKLE-REDUCING COMPOSITIONS, ETC.)
- 510/530 .Enzyme composition
- 2 708/491 (1 OR, 1 XR)  
Class 708 : ELECTRICAL COMPUTERS: ARITHMETIC PROCESSING  
AND CALCULATING
- 708/100 ELECTRICAL DIGITAL CALCULATING COMPUTER
- 708/200 .Particular function performed
- 708/490 ..Arithmetical operation
- 708/491 ...Residue number
- 2 713/167 (0 OR, 2 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT
- 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY
- 713/164 .Security kernel or utility
- 713/167 ..Object protection
- 2 713/168 (1 OR, 1 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT
- 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY
- 713/168 .Particular communication authentication  
technique
- 2 713/172 (0 OR, 2 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT
- 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY
- 713/168 .Particular communication authentication  
technique
- 713/172 ..Intelligent token
- 2 713/178 (1 OR, 1 XR)  
Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT
- 713/150 MULTIPLE COMPUTER COMMUNICATION USING  
CRYPTOGRAPHY
- 713/168 .Particular communication authentication  
technique
- 713/176 ..Authentication by digital signature

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representation or digital watermark  
713/178 ...Time stamp